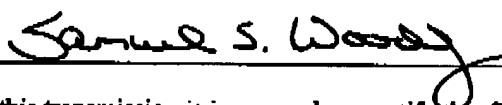


FAX TRANSMISSION**DATE:** September 2, 2003**PTO IDENTIFIER:** Application Number 09/142,970
Patent Number**Inventors:** Mark ACHTMAN and Monique MOREAU**MESSAGE TO:** Examiner Jennifer E. GRASER
U.S. Patent and Trademark Office, Group Art Unit 1645**FAX NUMBER:** 703-746-5150**FROM:** DARBY & DARBY P.C.
Samuel S. Woodley, Ph.D. (Reg. No. 43,287)**PHONE:** (212) 527-7610**Attorney Dkt. #:** 7101/0E616-US0**PAGES (Including Cover Sheet):** -19-**COMMENTS**

Examiner Graser,

Per our telephone conversation of today, please find attached the Response to Office Action and accompanying papers (including the return receipt postcard, stamped by the USPTO) that we filed on July 11, 2003 for this application.

Please do not hesitate to call me at 212-527-7610 if there is anything else you require.



If your receipt of this transmission is in error, please notify this firm immediately by collect call to (212) 527-7610 and send the original transmission to us by return mail at the address below.

DARBY & DARBY P.C.
P.O. Box 5257, New York, New York 10150-5257
Telephone: (212) 527-7700 Facsimile: (212) 753-6237

{M:\7101\0E616\00050916.DOC ■■■■■■■■■■ }

Application N . (if known): 09/142,970

Attorney Docket No.: 7101/0E816US0

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. _____ in an envelope addressed to:

0340065215 - US

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on July 11, 2003
Date



Signature



Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Fee Transmittal (1 page);

Petition of Time for Three Month Extension (1 page);

Response to Office Action and Amendment under 37 C.F.R. 1.111, (14 pages); and

Check No.: 1977 in the amount of \$930.00 .

PTO/SB/17 (05-03)

Approved for use through 04/30/2003. OMB 0-151-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2003 Effective 01/01/2003, Patent fees are subject to annual revision.		Complete if Known	
		Application Number	09/142,970
		Filing Date	April 2, 1999
		First Named Inventor	Mark Achtman
		Examiner Name	Jennifer E. Graser
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Art Unit	1645
TOTAL AMOUNT OF PAYMENT (\$)		930.00	
		Attorney Docket No.	7101/0E616US0

METHOD OF PAYMENT (check all that apply) <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/> Deposit Account Deposit Account Number: 04-0100 Deposit Account Name: Darby & Darby P.C. The Director is hereby authorized to: (check all that apply) <input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.				FEE CALCULATION (continued) 3. ADDITIONAL FEES																																																																																																																																																															
1. BASIC FILING FEE <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1001 750</td> <td>2001 375</td> <td>Utility filing fee</td> <td></td> </tr> <tr> <td>1002 350</td> <td>2002 175</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>1003 520</td> <td>2003 260</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>1004 750</td> <td>2004 375</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>1005 160</td> <td>2005 80</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="3">SUBTOTAL (1)</td> <td>0.00</td> </tr> </tbody> </table>				Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	1001 750	2001 375	Utility filing fee		1002 350	2002 175	Design filing fee		1003 520	2003 260	Plant filing fee		1004 750	2004 375	Reissue filing fee		1005 160	2005 80	Provisional filing fee		SUBTOTAL (1)			0.00	<table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1051 130</td> <td>2051 65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052 60</td> <td>2052 25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053 130</td> <td>1053 130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812 2,520</td> <td>1812 2,520</td> <td>For filing a request for ex parte reexamination</td> <td></td> </tr> <tr> <td>1804 920*</td> <td>1804 920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805 1,840*</td> <td>1805 1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251 110</td> <td>2251 55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252 410</td> <td>2252 205</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253 930</td> <td>2253 465</td> <td>Extension for reply within third month</td> <td>130.00</td> </tr> <tr> <td>1254 1,450</td> <td>2254 725</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255 1,970</td> <td>2255 985</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401 320</td> <td>2401 160</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402 320</td> <td>2402 160</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403 280</td> <td>2403 140</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1481 1,510</td> <td>1481 1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452 110</td> <td>2452 55</td> <td>Petition to revive - unrevokable</td> <td></td> </tr> <tr> <td>1453 1,300</td> <td>2453 650</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1501 1,300</td> <td>2501 650</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>1502 470</td> <td>2502 235</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503 630</td> <td>2503 315</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>1480 130</td> <td>1480 130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807 50</td> <td>1807 50</td> <td>Processing fee under 37 CFR 1.17(q)</td> <td></td> </tr> <tr> <td>1808 180</td> <td>1808 180</td> <td>Submission of Information Disclosure Sheet</td> <td></td> </tr> <tr> <td>8021 40</td> <td>8021 40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>1809 750</td> <td>2809 375</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> <td></td> </tr> <tr> <td>1810 750</td> <td>2810 375</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td>1801 750</td> <td>2801 375</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>1802 900</td> <td>1802 900</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> <tr> <td colspan="3">Other fee (specify)</td> <td></td> </tr> <tr> <td colspan="3">*Reduced by Basic Filing Fee Paid</td> <td></td> </tr> <tr> <td colspan="3">SUBTOTAL (3)</td> <td>930.00</td> </tr> </tbody> </table>				Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	1051 130	2051 65	Surcharge - late filing fee or oath		1052 60	2052 25	Surcharge - late provisional filing fee or cover sheet		1053 130	1053 130	Non-English specification		1812 2,520	1812 2,520	For filing a request for ex parte reexamination		1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action		1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action		1251 110	2251 55	Extension for reply within first month		1252 410	2252 205	Extension for reply within second month		1253 930	2253 465	Extension for reply within third month	130.00	1254 1,450	2254 725	Extension for reply within fourth month		1255 1,970	2255 985	Extension for reply within fifth month		1401 320	2401 160	Notice of Appeal		1402 320	2402 160	Filing a brief in support of an appeal		1403 280	2403 140	Request for oral hearing		1481 1,510	1481 1,510	Petition to institute a public use proceeding		1452 110	2452 55	Petition to revive - unrevokable		1453 1,300	2453 650	Petition to revive - unintentional		1501 1,300	2501 650	Utility issue fee (or reissue)		1502 470	2502 235	Design issue fee		1503 630	2503 315	Plant issue fee		1480 130	1480 130	Petitions to the Commissioner		1807 50	1807 50	Processing fee under 37 CFR 1.17(q)		1808 180	1808 180	Submission of Information Disclosure Sheet		8021 40	8021 40	Recording each patent assignment per property (times number of properties)		1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))		1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))		1801 750	2801 375	Request for Continued Examination (RCE)		1802 900	1802 900	Request for expedited examination of a design application		Other fee (specify)				*Reduced by Basic Filing Fee Paid				SUBTOTAL (3)			930.00
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																																																
1001 750	2001 375	Utility filing fee																																																																																																																																																																	
1002 350	2002 175	Design filing fee																																																																																																																																																																	
1003 520	2003 260	Plant filing fee																																																																																																																																																																	
1004 750	2004 375	Reissue filing fee																																																																																																																																																																	
1005 160	2005 80	Provisional filing fee																																																																																																																																																																	
SUBTOTAL (1)			0.00																																																																																																																																																																
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																																																
1051 130	2051 65	Surcharge - late filing fee or oath																																																																																																																																																																	
1052 60	2052 25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																	
1053 130	1053 130	Non-English specification																																																																																																																																																																	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination																																																																																																																																																																	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																	
1251 110	2251 55	Extension for reply within first month																																																																																																																																																																	
1252 410	2252 205	Extension for reply within second month																																																																																																																																																																	
1253 930	2253 465	Extension for reply within third month	130.00																																																																																																																																																																
1254 1,450	2254 725	Extension for reply within fourth month																																																																																																																																																																	
1255 1,970	2255 985	Extension for reply within fifth month																																																																																																																																																																	
1401 320	2401 160	Notice of Appeal																																																																																																																																																																	
1402 320	2402 160	Filing a brief in support of an appeal																																																																																																																																																																	
1403 280	2403 140	Request for oral hearing																																																																																																																																																																	
1481 1,510	1481 1,510	Petition to institute a public use proceeding																																																																																																																																																																	
1452 110	2452 55	Petition to revive - unrevokable																																																																																																																																																																	
1453 1,300	2453 650	Petition to revive - unintentional																																																																																																																																																																	
1501 1,300	2501 650	Utility issue fee (or reissue)																																																																																																																																																																	
1502 470	2502 235	Design issue fee																																																																																																																																																																	
1503 630	2503 315	Plant issue fee																																																																																																																																																																	
1480 130	1480 130	Petitions to the Commissioner																																																																																																																																																																	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																	
1808 180	1808 180	Submission of Information Disclosure Sheet																																																																																																																																																																	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																	
1801 750	2801 375	Request for Continued Examination (RCE)																																																																																																																																																																	
1802 900	1802 900	Request for expedited examination of a design application																																																																																																																																																																	
Other fee (specify)																																																																																																																																																																			
*Reduced by Basic Filing Fee Paid																																																																																																																																																																			
SUBTOTAL (3)			930.00																																																																																																																																																																
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Independent Claims</th> <th>Multiple Dependent</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>1</td> <td></td> <td></td> <td>0.00</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> </tr> </tbody> </table>				Total Claims	Independent Claims	Multiple Dependent	Fee from below	Fee Paid	10	1			0.00					0.00	<table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1202 18</td> <td>2202 9</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>1201 84</td> <td>2201 42</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>1203 280</td> <td>2203 140</td> <td>Multiple independent claim, if not paid</td> <td></td> </tr> <tr> <td>1204 84</td> <td>2204 42</td> <td>** Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>1205 18</td> <td>2205 9</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> <tr> <td colspan="3">SUBTOTAL (2)</td> <td>0.00</td> </tr> </tbody> </table>				Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	1202 18	2202 9	Claims in excess of 20		1201 84	2201 42	Independent claims in excess of 3		1203 280	2203 140	Multiple independent claim, if not paid		1204 84	2204 42	** Reissue independent claims over original patent		1205 18	2205 9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)			0.00																																																																																																																	
Total Claims	Independent Claims	Multiple Dependent	Fee from below	Fee Paid																																																																																																																																																															
10	1			0.00																																																																																																																																																															
				0.00																																																																																																																																																															
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																																																
1202 18	2202 9	Claims in excess of 20																																																																																																																																																																	
1201 84	2201 42	Independent claims in excess of 3																																																																																																																																																																	
1203 280	2203 140	Multiple independent claim, if not paid																																																																																																																																																																	
1204 84	2204 42	** Reissue independent claims over original patent																																																																																																																																																																	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																	
SUBTOTAL (2)			0.00																																																																																																																																																																

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Samuel S. Woodley, Ph.D.	Registration No. (Attorney/Agent)	43,287
Signature	<i>Samuel S. Woodley</i>	Telephone	(212) 527-7610
		Date	July 11, 2003

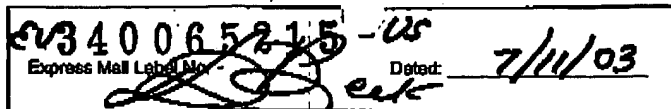
62340065215-US

7/11/03

LB

Express Mail Label No.

Dated:

Docket No.: 7101/0E616
(PATENT)#22/D
JM
9/4/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Mark ACHTMAN and Monique MOREAU

Application No.: 09/142,970

Group Art Unit: 1645

International Filing Date: April 2, 1999

Examiner: Jennifer E. GRASER

For: IGA 1 PROTEASE FRAGMENT AS A
CARRIER PEPTIDE

**RESPONSE TO OFFICE ACTION AND
AMENDMENT UNDER 37 C.F.R. 1.111**Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

In response to the Office Action mailed by the U.S. Patent and Trademark Office on January 13, 2003 for this application and in accordance with Rule 111 of the Rules of Practice, please enter the following amendments and consider the accompanying remarks. No amendments are made here to the specification or figures of this application. Amendments to the claims are presented in the Listing of the Claims, beginning on page 3 of this document. Remarks accompanying these amendments and responding to the Office Action begin on page 8 of this document.

Applicants also submit herewith a Petition for Extension of Time, requesting that the deadline for responding to the outstanding Office Action be extended for a period of three months (i.e., from April 13, 2003 up to and including Monday, July 14, 2003) and accompanied by the appropriate fee. It is believed that no additional fees are required for this submission. However,

{M:7101/0E616/00024161.DOC [REDACTED]}

should the USPTO determine that any additional fee is required or that any refund is due, please charge the required fee(s) and/or credit any refund(s) due to our Deposit Account N . 04-0100.

* * * * *

Application No.: 09/142,970

-2-

Docket No.: 7101/0E616

{M:\7101\0E616\00024161.DOC [REDACTED]}